COMPIDENTIAL

March 26, 1964

MEMORANDUM FOR: Mr. Arthur C. Lundahl, Director, National Photographic Interpretation Center

Subject: State Department Briefing

The following State Department and ACDA officers plan to attend the 1 April NPIC briefing:

- Dean Rusk George W. Ball U. Alexis Johnson Llewellyn E. Thompson William C. Foster Walt W. Rostow William R. Tyler William P. Bundy Thomas L. Hughes -Abrem-Cheves-/Ragnar Rollefson Jacob D. Beam Leslie H. Brown William B. Coolidge Richard H. Davis Lt. Gen. Fred M. Dean

> Howard Purnas James R. Gardner

Marshall Greek -Thomas A. Halsted

George C. Denney, Jr. Raymond L. Gerthoff

Jeffrey C. Kitchen Hivin M. J. Kretzmann William B. Marvel Brewer J Merriam Howard Meyers Dana Grwick Robert F. Packerd Herbert Scoville, Jr. Howard M. Wiedemann

Secretary of State Under Secretary of State Deputy Under Secretary for Political Affairs Ambassador at Large Director, ACDA Counselor and Chairman of Policy Planning Council Assistant Secretary, Buropean Affairs Assistant Secretary, Far Eastern Affairs Director of Intelligence and Research Legal Atviser Scientific Adviser

> 1430 Sin Richts Rm 50X1

Thomas A. Halsted Scientific Intelligence Staff, INR

CONFIDENTIAL

Declassified in Part - Sanitized Copy Approved for Release 2014/01/16: CIA-RDP78B05167A000800070002-8

14/01/16: CIA-RDP78B0510....

Suc State

ON

INTRODUCTION

The availability in quantity and depth of high quality photography of the Soviet Union has opened up a new dimension in intelligence analysis and reporting on the Soviet Strategic threat to the national security of the United States. When incorporated with other sources of information and cross-checking of leads in various source systems has been completed, photography provides a base and a core of precision that allows a high level of confidence in our estimates. Our search coverage of the Soviet Union with the basic satellite camera system, the KH-4, is by now extensive and beginning in February it is being supplemented by a wealth of technical detail which can be ovided by the higher resolution, spot coverage camera just emerage from its developmental and engineering test phase, the KH-7

loday we would like to present a two-part briefing, the first pale on the coverage and capabilities of our satellite photography vstems, the second sketching in the highlights of the substant—re knowledge of the Soviet Union derived from this source, when integrated with other intelligence, during the past year or so.

Mr. Lundahl, I	irector of the National Photographic
Interpretation Center will present the first part of the	
briefing and	of our Office of Current Intelligence
will present the su	bstantive briefing.

STAT

Declassified in Part - Sanitized Copy Approved for Release 2014/01/16: CIA-RDP78B05167A000800070002-8 Les Carries Start

KH-7/KH-4

SUBMARINES

Dimensions <u>+</u> 2-3'/5-10' Configuration Sail Size/Marginal

Sail Shape/No Snort Location/No Missile Tubes/No Location/Spacing

Hull Shape/Configuration/Marginal

Positive Classification/No

SUBMARINE BASE FACILITIES

Dimensions <u>+</u> 2-3'/ <u>+</u> 5-10' Building Functional Identification: Fine/Broad Handling Equipment: Yes/No

(Cranes, Mobile Equip)

Water Front Facilities: Fine/Broad

Declassified in Part - Sanitized Copy Approved for Release 2014/01/16 : CIA-RDP78B05167A000800070002-8

KH-7/KH-4 (Continuted)

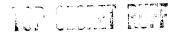
OTHER NAVAL ACTIVITY

Armament: Type/No

Radar: Certain Types/No

Shipbuilding: Details of Classes U/C/Type Ident. only

Prime Ex. of 4 & 7 see Vlad.



Declassified in Part - Sanitized Copy Approved for Release 2014/01/16 : CIA-RDP78B05167A000800070002-8

Scale and resolution now available on KH-4 is suitable for the identification of heavy and medium bomber and transport aircraft by type (BISON, BEAR, CAMEL) under good conditions. Under optimum conditions light bombers and smaller transports can be identified (BEAGLE, CAB, CRATE). Fighter or other single engine aircraft or aircraft with major dimensions less than 80' feet have not been identified on KH-4 material.

With the KH-7 material viewed todate, it is possible to identify all known types of fixed-wing aircraft, with the exception of some liaison types, when the photography is vertical and of good quality. Our experience with helicopters is too limited to make a judgment at this time but it is anticipated that all major types of helicopters will be identifiable. The only problem as yet unresolved pretains to certain new fighter aircraft where the only apparent visual difference at KH-7 scale will be the size.

Declassified in Part - Sanitized Copy Approved for Release 2014/01/16 : CIA-RDP78B05167A000800070002-8

The prime benefit of KH-7 photography over KH-4 photography is in the field of order of battle information. Whether the OB is missile or ground support equipment, aircraft, armor, submarines, vehicles, rail-road rolling stock -- KH-7 has proven itself in an identification role. An additional benefit is in the role of structure identification and utilization. This identification is through component and sub-component design and detail.